

# ABSTRACT OF THE DISCLOSURE

Two transfer modes of a band-guaranteed cycle and an event-driven type asynchronous cycle are defined for a multimedia bus. In the band-guaranteed cycle, stream data is transferred between nodes, to which the same channel number is assigned, in peer-to-peer mode using a reserved band for each cycle time. If the same channel number is assigned to a plurality of receiver nodes, a multi-cast transfer can be achieved by the band-guaranteed cycle. The multi-cast transfer using the band-guaranteed cycle can be stopped even in response to an instruction from any receiver node, and a buffer of each receiver node can be prevented from overflowing.

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